

## 1992 North Dakota Barley Varieties

July 15, 1992

### Highlights

Robust remained the most popular North Dakota barley variety in 1992. It accounted for 53.5 percent of the 2.7 million acres planted, up from 49.1 percent in 1991. Robust has been the leading variety for eight consecutive years. Bowman increased to 17.3 percent of barley acres, up from last year's 15.6 percent. It was the second leading variety. Morex, Excel, and Azure followed with 9.8, 7.3 and 6.8 percent, respectively. Robust, Morex, Excel and Azure are recommended for malting and brewing by the American Malting Barley Association, Inc. The top five varieties accounted for 94.7 percent of the 1992 acreage.

These data are based on results of a June 1992 survey of over 1,600 producers conducted by the North Dakota Agricultural Statistics Service. Funding for the survey was provided by the American Malting Barley Association, Inc., and North Dakota Barley Council. North Dakota State University Extension Service provided variety descriptions.

North Dakota ranks first in all barley acreage with 2.7 million acres planted in 1992, 35 percent of the nation's total.

### Malting Varieties

**Robust** was the number one North Dakota malting variety in 1992 by a large margin over Morex, Excel and Azure, three other popular malting varieties. Robust accounted for 53.5 percent of the acres planted. It was the leading variety in the northwest, north central, northeast, east central and southeast districts. Robust is characterized by medium height, medium-strong straw, medium relative maturity and is moderately susceptible to leaf diseases.

**Morex** remained the second leading malting barley variety for the fourth consecutive year. It was in third place overall, with 9.8 percent of the 1992 planted acres, down from 12.7 percent in 1991. Popularity of Morex has decreased each year since 1987. It was popular in the northwest and north central districts. Morex has medium height with medium-early relative maturity, medium straw strength and is moderately susceptible to leaf diseases.

**Excel**, a 1990 Minnesota variety, replaced Azure as the third place malting variety. It accounted for 7.3 percent of all 1992 barley acres planted, up from 4.8

percent in 1991. The northwest is the area where Excel was the most popular. It has medium-short height, very strong straw, medium maturity and is moderately susceptible to leaf diseases.

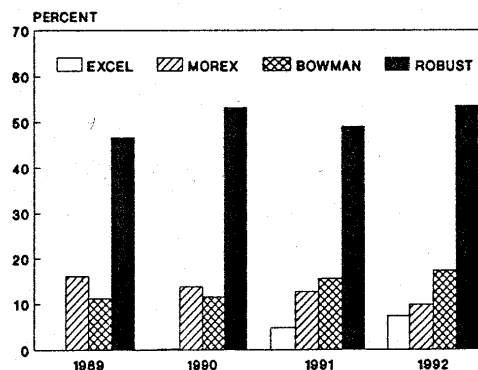
**Azure** dropped from third in 1991 to the fourth leading malting barley in 1992 with 6.8 percent of the planted acres. It has been losing popularity since 1988, with the exception of 1991, when its percentage increased slightly. Azure was the leading variety in the central district. It has medium height, strong straw medium-early relative maturity and is moderately susceptible to leaf diseases.

### Feed Varieties

**Bowman** increased to 17.3 percent of the total barley acres planted in 1992, up from 15.6 percent in 1991. Bowman ranked first among feed barley and second among all barley. It was the most popular of all varieties in the west central, southwest and south central districts. Bowman has medium-strong straw, short height, medium-early maturity and is moderately susceptible to leaf diseases.

**Gallatin** followed as the second most popular feed variety with 1.1 percent. It was popular in the southwest district. Gallatin is medium-late maturing with medium-strong straw.

BARLEY  
LEADING VARIETIES PLANTED  
North Dakota, 1989 - 92



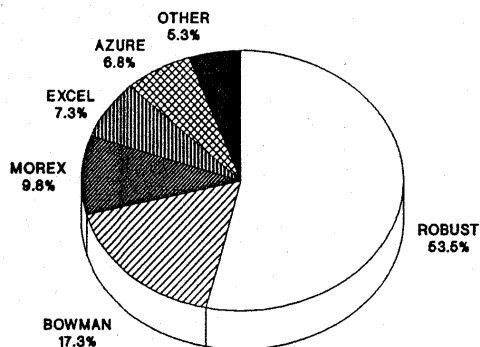
# BARLEY VARIETIES (Continued)

PERCENT OF ACREAGE PLANTED BY VARIETY,  
NORTH DAKOTA, 1988 - 92

Variety	1988	1989	1990	1991	1992	
					Pct.	Acres Planted
	----- Percent -----				(000)	
* Robust	38.6	46.7	53.2	49.1	53.5	1,444.2
Bowman	12.3	11.2	11.6	15.6	17.3	465.9
* Morex	19.7	16.1	13.8	12.7	9.8	265.0
* Excel	0.0	0.0	0.2	4.8	7.3	198.2
* Azure	21.9	15.8	8.7	9.5	6.8	183.9
Gallatin	0.0	0.0	0.4	1.2	1.1	28.9
Hazen	1.9	1.2	0.3	0.5	0.8	21.9
B 1602	0.0	6.0	8.4	2.3	0.8	21.8
Hector	2.0	1.0	1.0	1.3	0.7	19.0
Bumper	0.3	0.3	0.2	0.3	0.4	11.3
Larker	0.8	0.7	0.5	0.4	0.4	10.9
Other	2.5	1.0	1.7	2.3	1.1	29.0
ALL VARIETIES	100.0	100.0	100.0	100.0	100.0	2,700.0

\* Recommended for malting and brewing by the American Malting Barley Association, Inc.

BARLEY  
PERCENT OF TOTAL PLANTED  
North Dakota, 1992



PERCENT AND ACREAGE PLANTED BY AGRICULTURAL STATISTICS DISTRICTS, NORTH DAKOTA, 1992

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	----- Percent Planted -----									
Robust	30.9	58.6	84.4	5.0	33.6	73.9	1.3	9.1	46.3	53.5
Bowman	21.6	2.3	0.1	79.0	12.9	0.0	82.4	13.5	17.3	17.3
Morex	22.3	18.9	5.4	4.3	7.9	8.2	0.0	3.5	8.9	9.8
Excel	16.4	9.8	5.4	2.3	7.3	7.2	0.2	0.5	10.6	7.3
Azure	3.1	6.0	2.1	1.4	35.2	8.0	1.2	1.3	11.2	6.8
Gallatin	2.3	0.0	0.0	2.8	0.0	0.0	9.7	3.1	0.0	1.1
Hazen	0.0	1.0	0.2	1.4	0.7	0.1	1.4	1.6	4.6	0.8
B 1602	0.0	0.8	0.5	0.2	1.4	1.3	0.0	0.3	3.3	0.8
Hector	1.1	0.0	0.2	2.1	0.0	0.0	2.8	5.0	0.0	0.7
Bumper	1.5	0.0	0.3	0.0	0.0	0.0	0.0	1.5	1.2	0.4
Larker	0.1	0.6	0.9	0.5	0.0	0.0	0.1	0.4	0.0	0.4
Other	0.6	2.0	0.6	1.0	1.1	1.4	0.9	1.3	0.5	1.1
	----- Thousand Acres -----									
Robust	89.5	255.1	603.4	7.8	70.5	321.4	1.7	13.7	81.1	1,444.2
Bowman	62.6	9.9	0.6	122.5	27.0	0.0	111.2	106.5	23.6	465.9
Morex	64.6	82.1	38.7	6.6	16.5	35.6	0.0	5.3	15.6	265.0
Excel	47.7	42.5	38.3	3.6	15.3	31.2	0.3	0.8	18.5	198.2
Azure	9.0	26.2	14.7	2.1	73.9	34.8	1.6	2.0	19.6	183.9
Gallatin	6.8	0.0	0.0	4.4	0.0	0.0	13.1	4.6	0.0	28.9
Hazen	0.0	4.2	1.3	2.2	1.5	0.4	1.9	2.4	8.0	21.9
B 1602	0.0	3.3	3.6	0.3	2.9	5.6	0.0	0.4	5.7	21.8
Hector	3.2	0.0	1.2	3.3	0.0	0.0	3.8	7.5	0.0	19.0
Bumper	4.4	0.2	2.4	0.0	0.0	0.0	0.0	2.2	2.1	11.3
Larker	0.4	2.8	6.2	0.7	0.0	0.0	0.2	0.6	0.0	10.9
Other	1.8	8.7	4.6	1.5	2.4	6.0	1.2	2.0	0.8	29.0
ALL VARIETIES	290.0	435.0	715.0	155.0	210.0	435.0	135.0	150.0	175.0	2,700.0